



P.B.5816 • Patentlaan 2
2280 HV Rijswijk (ZH)
+31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

European
Patent Office

Branch at
The Hague
Search
division

Office européen
des brevets

Département à
La Haye
Division de la
recherche

Schmidt-Evers, Jürgen, Dipl.-Ing.
Patentanwälte
Mitscherlich & Partner,
Postfach 33 06 09
80066 München
ALLEMAGNE

10/698,014



Datum/Date
26.03.04

Zeichen/Ref./Réf. P28964/EP-SE/on	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 03024881.9-2119-
Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire FURUKAWA CIRCUIT FOIL CO., LTD.	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 02 4881

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
P, X	EP 1 331 088 A (CIRCUIT FOIL JAPAN) 30 July 2003 (2003-07-30) * page 4-5, paragraphs 29, 32, 36, 43 * * page 5-6, paragraphs 44-47 * * page 11, line 50 * * page 9-10; examples 1, 4-9 * & WO 02 024444 A 28 March 2002 (2002-03-28) * abstract * ---	1, 8, 11, 12, 18, 25-27	H05K3/02 H05K3/38 C25D5/12
X		1-29	
X	EP 1 133 220 A (OLIN CORP) 12 September 2001 (2001-09-12) * abstract *	1, 13, 17, 18, 25, 26	
Y		2-16, 19-24, 28, 29	
	* claims 1-9, 12, 16, 22 * * page 5, paragraph 59 *		
X	US 5 689 879 A (NAKASO AKISHI ET AL) 25 November 1997 (1997-11-25) * abstract *	1, 8, 17, 18, 25-27	
Y		2-16, 19-24, 28, 29	
	* claims 1-5 *		
A	US 5 262 247 A (TANII YOSHINORI ET AL) 16 November 1993 (1993-11-16) * figures 3, 4 * * column 4, line 15 - column 6, line 9 * * claim 1 *	1, 12, 18, 25, 26	
The present search report has been drawn up for all claims			
1 EPO FORM 1503.03.02 (P04C01)	Place of search MUNICH	Date of completion of the search 22 March 2004	Examiner Haering, C
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 02 4881

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-03-2004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1331088	A	30-07-2003	EP CN WO	1331088 A1 1466517 T 0224444 A1	30-07-2003 07-01-2004 28-03-2002
EP 1133220	A	12-09-2001	US US CN EP JP US US	6346335 B1 2002160219 A1 1323695 A 1133220 A2 2001301087 A 2001027922 A1 2002192486 A1	12-02-2002 31-10-2002 28-11-2001 12-09-2001 30-10-2001 11-10-2001 19-12-2002
US 5689879	A	25-11-1997	JP JP US	2755058 B2 5206599 A 5403672 A	20-05-1998 13-08-1993 04-04-1995
US 5262247	A	16-11-1993	JP JP JP DE DE EP US	2111617 C 3073338 A 8018401 B 69022775 D1 69022775 T2 0398721 A2 5114543 A	21-11-1996 28-03-1991 28-02-1996 09-11-1995 14-03-1996 22-11-1990 19-05-1992